

Location Properties

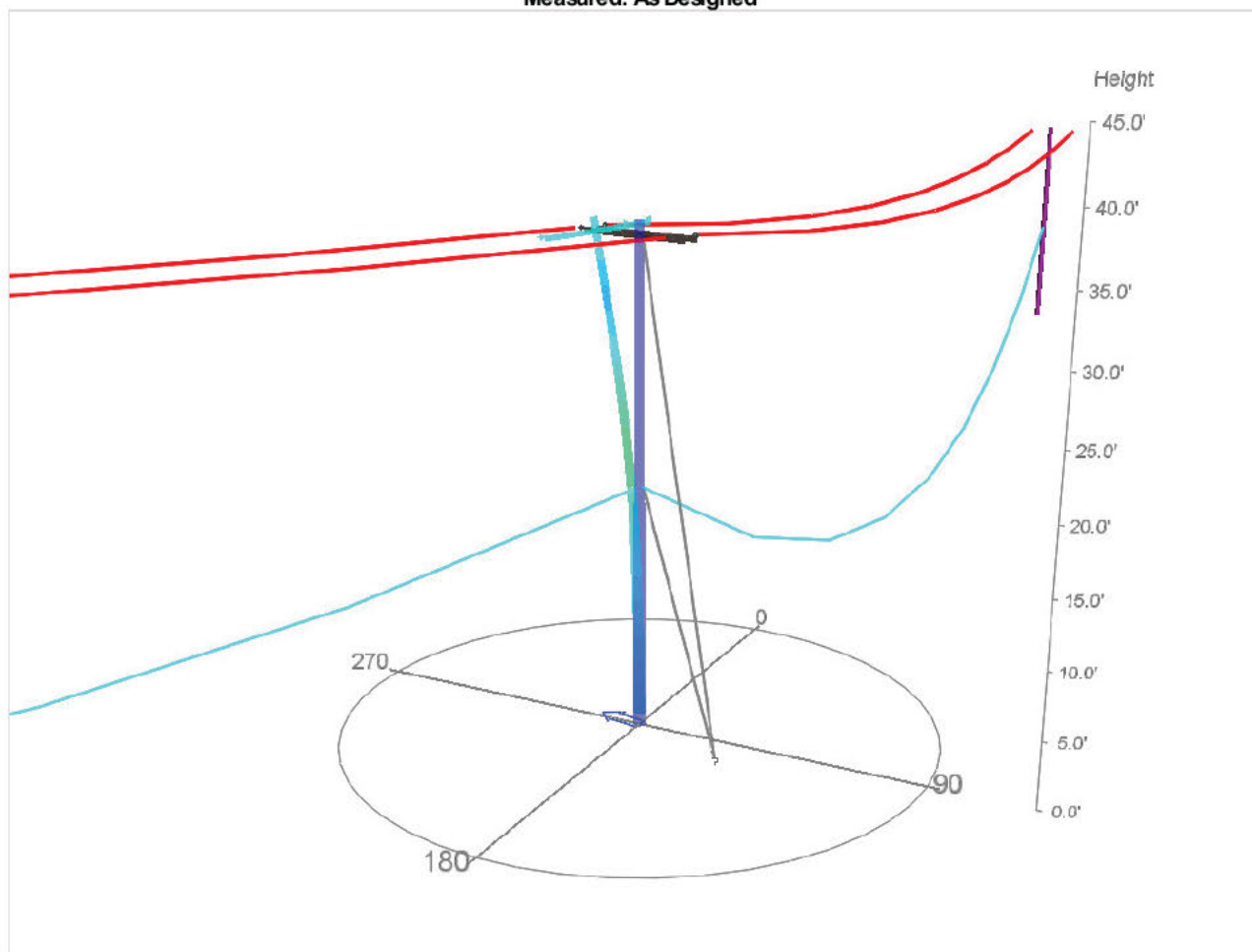
Technician: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED]
 County: [REDACTED]
 Cross Street :
 Remedy:
 Comments:

Map Number:
 Pole Tags:
 State: [REDACTED]
 Zip Code: [REDACTED]
 Cross Street 2:
 Summary Notes:

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Gu	nchor	Cross rm	Insulator	Sidewalk Brace			
As Designed	4573	7.87 from stress at 2' 4"	2.05 (Guy#)	No Data	No Data	No Data	No Data	00%	Y	N

Measured: As Designed



Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	7.87 from stress at 2' 4"	966 / 7600 lbf/in²	280 °	7600 lbf/in²
Guy#	2.05	9749 / 20000 lbf	280 °	20000 lbf
Guy#2	3.47	3228 / 200 lbf	290 °	200 lbf

Wire End Points and Wires

WE#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	2' 8"	355 °	Undefined	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
										Tension	Sag
Wire#2	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 2"	0' 0"	0.28	3 9.48 lbf	Dynamic	39.96 lbf	6' "
Wire#3	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 2"	0' 0"	0.28	3 9.48 lbf	Dynamic	7.25 lbf	7' 0"
Wire# 0	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	75.43 lbf	27' 4"
Wire#7	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	75.43 lbf	27' 4"
Wire#9	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	75.43 lbf	27' 4"

WE#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	66'	225 °	Undefined	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
										Tension	Sag
Wire#	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 2"	0' 0"	0.3	336.66 lbf	Dynamic	086.25 lbf	3' 9"
Wire#4	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 2"	0' 0"	0.3	336.66 lbf	Dynamic	40.52 lbf	3' 7"
Wire#5	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	49.48 lbf	5' 0"
Wire#6	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	49.48 lbf	5' 0"
Wire#8	25" TELCO Service	Frontier	Communication Service	Service	8' 7"	0' 0"		5 lbf	Dynamic	49.48 lbf	5' 0"

Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case
Tension value is inclusive of environmental and load factors associated with the Load Case
Sag value is inclusive of environmental and load factors associated with the Load Case

Anchors

Anchor#1											
Size	Owner	Lead	Direction	Height	Supporting						
3/4" Double Eye Anchor Rod and Plate	SCE	8' 0"	0 °	0' 0"	Other						
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A		
									Pretension	Tension	
Guy#	7/ 6" EHS	SCE	36' 6"	2 °	N/A	N/A	N/A	N/A	98 . 7 lbf	0.69 lbf	
Guy#2	5/ 6" EHS	SCE	8' 7"	23 °	N/A	N/A	N/A	N/A	577.45 lbf	0.5 lbf	

Pretension values are calculated at 60°F (5.5°C) and without load factors
Tension value is calculated without load factors or wind

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#	0 Foot Double Cross Arm	37' 0"	Other	290 °	5' 0"	Insulator# Insulator#2 Insulator#3 Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#	2 kV Deadend	355 °	0' 4"	Wire#3
Insulator#2	2 kV Deadend	225 °	0' 4"	Wire#4
Insulator#3	2 kV Deadend	355 °	9' 8"	Wire#2
Insulator#4	2 kV Deadend	225 °	9' 8"	Wire#

Location 4635228E Location Forms

SAP

- Field Inspection Date: 07/27/2020
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 53 Kenville
- Region: ED NW RURAL/REG
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment#:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit:
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: